

Name: _____

Unit 2 Biochemistry Study Guide

1. Subatomic Particles:
 - a. What are protons? Where are they found? What number tells you the number of protons?

 - b. What are neutrons? Where are they found?

 - c. What are electrons? Where are they found?

2. What type of bond does carbon form with other elements? How many bonds does it like to have?
3. What type of bond holds NaCl together in table salt?
4. What type of bond holds non-metals together? It's also the type of bond that shares electrons...

5. What is polarity? What makes water polar?

6. What two properties allow water to defy gravity?

7. Why is water the universal solvent?

8. Why is water liquid at room temperature?

9. What would happen to the world if water's solid form was not less dense than its liquid form?

10. What is the definition of pH?

11. What is the pH scale?

12. What ion do acids have more of?

13. What ion do bases have more of?
14. Why would you take Pepto-Bismol?
15. What makes something organic?
16. Name two examples of carbohydrates.
17. Name two examples of lipids.
18. What element do only proteins have?
19. What do fats do better than sugars?
20. What does a glucose molecule look like?
21. What does a lipid look like?
22. What does a protein look like?
23. What do enzymes do for a chemical reaction?
24. What do the names of enzymes usually end in?
25. What happens to an enzyme after the reaction?
26. What is the relationship between an enzyme and its substrate?
27. What three things can affect how an enzyme works?